

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE MAY 10 2002 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY DOCKET NO DON01 P-960	SERIAL NO 10-082,587
	APPLICANT(S) Brent J. Bos et al	
	FILING DATE February 25, 2002	GROUP 2875

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
AC	5 6 5 9 4 2 3	8/19/97	Schierbeek et al.	359	604	
AC	5 6 1 5 8 5 7	4/1/97	Hook	248	549	
AC	5 5 7 6 6 8 7	11/19/96	Blank et al.	340	438	
AC	5 4 3 9 3 0 5	8/95	Santo	248	475.1	
AC	5 3 2 7 2 8 8	7/5/94	Wellington et al.	359	606	
AC	5 2 5 3 1 0 9	10/12/93	O'Farrell	359	604	
AC	5 1 9 3 0 2 9	3/9/93	Schofield et al.	359	604	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
						Y N
	6 1 5 8 8 2 A2	9/21/94	EPO			
	0 1 6 5 8 1 7	12/27/85	EPO			
	8 2 5 4 4 3 5	1/27/88	EPO			
	3 6 1 4 8 8 2	11/5/87	Germany			x
	2 3 3 8 8 5	1/23/75	Germany			x
	1 3 1 1 0 4 5	3/22/63	France			x
	1 0 2 1 9 8 7	2/26/53	France			x
	2 2 1 0 8 3 6	6/21/89	Great Britain			
	9 4 1 2 3 6 8	6/9/94	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Lampert, Carl M. and Granqvist, Claes G., "Large-Area Chromogenics: Materials and Devices for Transmittance Control," SPIE Institutes for Advanced Optical Technologies, Volume IS 4, SPIE Optical Engineering Press, September 22, 1988, pp. 46-84, "Automotive Applications of Chromogenic Materials," by Niall R. Lynam and Anoop Agrawal, Donnelly Corporation, Holland, Michigan, U.S.A.
	Lynam, N. R., "Electrochromic Automotive Day Night Mirrors," SAE Technical Paper Series, 870636 (1987).

EXAMINER A. Carrasco	DATE CONSIDERED 2/9/2003
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EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
AC		5	1	7	8	4	4	8	1/12/93	Adams et al.	362	83.1	
AC		5	1	5	1	8	1	6	9/29/92	Varaprasad et al	359	275	
AC		5	1	4	0	4	5	5	8/18/92	Varaprasad et al.	359	275	
AC		5	1	0	0	0	9	5	3/31/92	Haan et al.	248	549	
AC		5	0	1	4	1	6	7	5/7/91	Roberts	362	83.1	
AC		4	9	4	8	2	4	2	8/14/90	Desmond et al.	350	637	
AC		4	9	3	6	5	3	3	6/26/90	Adams et al.	248	222.1	
AC		4	8	6	4	4	7	3	9/89	Tokarz et al.	362	84	
AC		4	8	2	6	2	8	9	5/2/89	Vandenbrink et al.	350	281	
AC		4	8	0	7	0	9	6	2/21/89	Skogler et al.	362	142	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
													Y	N
		0	3	3	4	7	9	9	9/27/89	EPC				
		9	4	4	5	3	1		7/12/56	Germany			X	
AC		3	3	0	1	9	4	5	7/26/84	Germany			X	
AC		2	6	3	1	7	1	3	2/3/77	Germany			X	
AC		9	4	1	4	0	8		4/12/56	Germany			X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		
		Lynam, N.R., "Smart Windows for Automobiles," SAE Technical Paper Series, 900419 (1990).
		Harcourt: Academic Press Dictionary of Science and Technology.
		Exhibit A in prosecution history of U.S. Patent No. 4,733,336 - Photograph - Datsun 1975 280Z rearview mirror

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AC	4 7 9 9 7 6 8	1/24/89	Gahan	350	279	
AC	4 7 9 3 6 9 0	12/27/88	Gahan et al	350	279	
AC	4 7 9 1 5 3 4	12/13/88	Lindberg	362	80	
AC	4 7 8 1 4 3 6	11/1/88	Armbruster	350	281	
AC	4 7 3 3 3 3 6	3/22/88	Skogler et al.	362	142	
AC	4 6 4 6 2 1 0	2/24/87	Skogler et al.	362	142	
AC	4 6 3 0 9 0 4	12/23/86	Pastore	350	600	
AC	4 6 2 6 9 6 7	12/2/86	Segoshi	362	61	
AC	4 5 8 8 2 6 7	5/13/86	Pastore	350	600	
AC	4 5 1 6 1 9 7	5/7/85	Yonkers	362	342	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
						Y N
AC	7 3 2 3 9 9 6	11/22/73	Germany	—	—	X
AC	1 1 3 6 1 3 4	12/11/68	Great Britain	—	—	X
AC	1 0 0 8 4 1 1	10/27/65	Great Britain	—	—	X
AC	8 1 0 0 1 0	3/4/59	Great Britain	—	—	X
AC	5 5 1 4 9 2	1/14/58	Canada			X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
—	Exhibit B in prosecution history of U.S. Patent No. 4,733,336 - Photograph - 1978 510 rearview mirror
—	Exhibit C in prosecution history of U.S. Patent No. 4,733,336 - Photograph - Honda rearview mirror
—	Exhibit D in prosecution history of U.S. Patent No. 4,733,336 - Photograph - Honda rearview mirror

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(Rev. 2-32) PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.
DON01 P-960

SERIAL NO
10:082,587

APPLICANT(S)
Brent J. Bos et al

FILING DATE
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GROUP **2875**

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
AC	4 4 9 9 4 5 1	2/12/85	Suzuki et al.	340	98	
AC	4 0 4 0 7 2 6	8/9/77	Paca	350	288	
AC	3 6 6 5 3 9 2	5/23/72	Annas	340	67	
AC	3 5 8 9 6 6 2	6/71	Lagrange	248	475	
AC	3 5 4 3 0 1 8	11/24/70	Barcus et al.	240	4 2	
AC	3 4 3 6 7 5 8	4/1/69	Kluth	340	376	
AC	2 5 9 5 3 3 1	5/6/52	Calihan et al.	177	329	
AC	2 1 9 0 1 2 3	2/13/40	Pace	177	329	
AC	2 0 6 0 4 0 1	11/10/36	Smith	177	329	
AC	4 9 3 5 6 6 5	6/19/90	Murata	313	500	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
						Y N
AC	8 7 7 8 6 6	5/28/53	Germany			x
AC	1 0 9 0 1 1 8	9/29/60	Germany			x
AC	36 1 4 8 8 2 C2	3/24/88	Germany			x
AC	7 1 9 6 7 4 A3	5/28/97	EP			x
AC	6 1 7 9 2 1	2/8/27	France			x

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Exhibit E in prosecution history of U.S. Patent No. 4,733,336 - Photograph - Mercedes rearview mirror
	Exhibit F in prosecution history of U.S. Patent No. 4,733,336 - Photograph - Metagal (Brazil) rearview mirror
	Exhibit G in prosecution history of U.S. Patent No. 4,733,336 - Drawing of parabolic reflector used in prototype of lighted rearview mirror of the type disclosed in European Application 165,817 in Oct. or Nov. 1984

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AC		5	9	3	8	3	2	1		8/17/99	Bos et al.	362	494	
AC		5	6	7	1	9	9	6		9/30/97	Bos et al.	362	83.1	
AC		5	5	7	5	5	5	2		11/19/96	Faloon et al.	362	494	
AC		5	2	0	2	7	8	7		4/13/93	Byker et al.	359	267	
AC		4	9	4	3	7	9	6		7/24/90	Lee	362	494	
AC		6	1	3	9	1	7	2		10/31/00	Bos et al.	362	494	
AC		5	9	3	8	3	2	1		8/17/99	Bos et al.	362	494	
AC		4	8	8	6	9	6	0		2/12/89	Molyneus et al.	250	209	
AC		5	0	3	8	2	5	5		8/6/91	Nishihashi et al.	362	61	
AC		4	5	8	0	1	9	6		4/1/86	Task	362	62	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
														Y	N
AC			8	1	1	3	8	5		4/13/37	France				x
AC		1	0	2	1	2	9	8		2/17/53	France				x
AC		1	2	6	0	2	1	2		3/27/61	France				x
AC		1	2	7	5	6	1	8		10/2/61	France				x
AC		1	2	9	2	3	0	8		3/26/62	France				x

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EXAMINER INITIAL		
AC		Appl. Phys. Lett. 57 (27), "High performance AlGaInP visible light-emitting diodes," pp. 2937-2939, December 31, 1990
AC		Appl. Phys. Lett. 61 (9), "Twofold efficiency improvement in high performance AlGaInP light-emitting diodes in the 555-620 nm spectral region using a thick GaP window layer," pp. 1045-1047, August 31, 1992
AC		Geco Sales Brochure, Nov. 15, 1972, pp. 1410 - 1415

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AC		4	8	8	2	5	6	5		11/21/89	Gallmeyer	340	461	
AC		4	4	2	5	7	1	7		1/17/84	Marcus	33	361	
AC		4	8	8	2	5	6	1		11/21/89	Fujioka	336	65	
AC		D		5	0	2	0	0		1/16/17	Hawthorne			
AC		D	1	1	5	8	0	2		7/18/39	Soderberg			
AC		D	1	6	2	5	0	7		3/20/51	Arenberg et al.	D48	32	
AC		D	1	6	8	0	6	5		10/28/52	Paine	D14	6	
AC		D	1	8	8	5	0	8		8/2/60	Morgenstern	D48	32	
AC		D	1	8	9	8	4	4		3/7/61	Cleminshaw et al.	D14	6	
AC		D	2	0	6	9	2	4		2/7/67	Prouty et al.	D86	10	

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EXAMINER INITIAL		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
														Y	N
AC		1	3	8	1	3	1	6		11/2/64	France				x
AC		1	4	1	0	6	2	9		8/2/65	France				x
AC		1	4	6	1	4	1	9		11/2/66	France				x
AC		1	5	0	3	4	5	7		10/16/67	France				x
AC		1	5	0	7	6	5	3		11/20/67	France				x

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EXAMINER INITIAL		
AC		Gentex Product Brochure, "Innovative Products for Your Vision and Safety," Undated pg. 2103 - 2124
AC		Gentex Product Brochure -- NVS Base II Mirror, Undated pg. 2101
AC		Gentex Product Brochure -- Gentex EC Mirror with Prince Homeline, Undated pg. 2102

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AC		D 2 0 7 0 6 5	2/28/67	Lee	D48	32	
AC		1 2 0 6 8 7 1	12/5/16	Locke			
AC		1 3 5 3 2 5 3	9/21/20	Livingston et al.			
AC		1 5 2 8 0 8 2	3/3/25	Schlaich			
AC		1 6 1 5 9 3 6	7/15/26	Donovan			
AC		1 6 5 7 3 3 4	1/24/28	Adams			
AC		1 6 6 7 5 4 5	4/24/28	Goodard			
AC		1 7 6 1 3 9 3	6/3/30	Hoegger			
AC		1 8 1 4 7 2 8	7/14/31	Moore			
AC		1 8 4 9 7 0 8	3/15/32	Colbert et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
							Y N
AC		1 5 2 5 7 0 9	4/8/68	France			x
AC		6 5 2 1 8 9	4/18/51	Great Britain			x
AC		9 3 3 0 7 8	8/8/63	Great Britain			x
AC		1 0 2 0 7 9 4	2/23/66	Great Britain			x
AC		1 0 5 3 5 4 5	1/4/67	Great Britain			x

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		
AC		Hewlett Packard, <i>Optoelectronics/Fiber-Optics Application Manual</i> , McGraw-Hill, 1981
AC		2nd edition, pp 5620 - 5631
AC		Videotape - Hewlett Packard AlGaAs Technology Introduction Customer Telecon, July 16, 1987
AC		Hewlett Packard Journal, "Red AlGaAs Light-Emitting Diodes," pp. 84-88, August 1988

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AC	1 8 8 4 7 5 9	10/25/32	Hodny			
AC	1 9 0 8 7 6 7	5/16/33	Hodny			
AC	1 9 1 2 9 0 2	6/6/33	Kramer			
AC	1 9 7 3 9 0 8	9/18/34	McIlwec	240	4.1	
AC	2 0 1 2 5 9 3	5/29/34	Strong	240	7.1	
AC	2 0 4 6 3 9 3	7/7/36	Lewinsohn et al.	240	4.1	
AC	2 0 4 8 9 3 9	7/28/36	Leathorn	240	4.2	
AC	2 1 4 9 5 9 8	3/7/39	Girl et al.	240	4.2	
AC	2 1 6 6 3 0 3	7/18/39	Hodny et al.	35	62	
AC	2 2 6 8 1 8 9	12/30/41	Colbert	240	4.2	

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						Y N
AC	1 0 5 3 5 4 6	1/4/67	Great Britain			x
AC	1 2 8 9 4 8 0	9/20/72	Great Britain			x
AC	2 2 1 0 8 3 6	6/21/89	Great Britain			x
AC	4 7 8 2 8 2	2/20/53	Italy			x

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
AC	Hewlett Packard Optoelectronics Designer's Catalog 1988-1989 PP. 5886-6045
AC	Hewlett Packard Optoelectronics Designer's Catalog 1991-1992 PP. 6046-6390
AC	Hewlett Packard Optoelectronics Designer's Catalog 1993 18-6391

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AC	2 4 1 4 2 2 3	1/14/47	De Virgiliis	240	4 2	
AC	2 4 2 8 6 4 9	10/7/47	Brown	240	4 1	
AC	2 4 5 7 3 4 8	12/28/48	Chambers	177	329	
AC	2 4 6 1 3 1 5	2/8/49	De Virgiliis	240	4 2	
AC	2 5 6 1 5 8 2	7/24/51	Marbel	177	329	
AC	2 5 7 0 5 6 9	10/9/51	Leathorn	240	4 2	
AC	2 5 8 0 2 5 8	12/25/51	Tarasuk	240	4 2	
AC	2 6 0 0 7 5 1	7/17/52	Gazda	177	329	
AC	2 6 4 0 9 0 9	6/2/53	Montgomery	240	4 2	
AC	2 6 4 1 6 8 4	6/9/53	Dillon	240	7 1	

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
AC	Hewlett Packard "High Performance T-1 1/4 (5mm) TS AllnGaP Amber and Reddish-Orange Lamps" Technical Data Sheet, 1994 pp. 1-7
AC	IEEE Circuits and Devices, "LEDs Challenge the Incandescents," pp. 24-29, September 1992
AA	IEEE Transactions on Electron Devices, "An Overview of Visible Light Emitting Diode (LED) Development and the Potential for AllnGaP Devices," November 1993, pg 5743

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AC	2 6 7 3 9 1 4	3/30/54	Sundt	200	167	
AC	2 7 3 7 8 5 2	3/13/56	Porter et al	88	98	
AC	2 9 9 6 6 0 8	8/15/61	Clayton	240	7 35	
AC	3 0 3 5 1 6 0	5/15/62	Clemmshaw	240	4 2	
AC	3 1 0 4 8 3 0	9/24/63	Rock	240	4 2	
AC	3 1 5 2 2 1 6	10/6/64	Woodward	88	77	
AC	3 2 1 1 9 0 3	10/12/65	McElreath	240	4 2	
AC	3 2 1 4 5 7 8	10/26/65	Talbot	240	4 2	
AC	3 3 1 7 9 0 6	5/2/67	Baldrige	340	366	
AC	3 3 7 5 3 6 4	3/26/68	Marcus	240	4 2	

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						Y N

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
AC	Information Display, "LEDs get brighter... much brighter," pp. 12-14, February 1993 <i>George Crawford</i>
AC	J. Electron. Mats., (20) 12, "The Growth and Properties of High Performance AlGaInP Emitters Using a Lattice Mismatched GaP Window Layer," pp. 1125-1130, July 25, 1991
AC	Lamp Technology, Inc. Brochure "LED Equivalents For Incandescent Miniature Lamps," November 1989

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AC	3 5 7 4 2 8 3	4/13/71	Albers	73	178	
AC	3 9 2 6 4 7 0	12/16/75	Marcus	296	97	
AC	4 0 0 0 4 0 4	12/28/76	Marcus	240	2	
AC	4 0 2 3 0 2 9	5/10/77	Fischer	240	4 2	
AC	4 0 3 9 8 1 8	8/2/77	Hickman	240	2 18	
AC	4 0 7 5 4 6 8	2/21/78	Marcus	362	144	
AC	4 1 0 9 2 3 5	8/22/78	Bouthors	340	52	
AC	4 1 3 3 4 0 5	1/9/79	Turek	180	90	
AC	4 1 6 7 1 1 3	9/11/79	Mann	73	178	
AC	4 1 7 4 8 6 4	11/20/79	Vieriel et al.	296	97	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
						Y N

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
AC	Photonics Spectra, "Bright Prospects for Brighter LEDs," pp. 64-66, December 1991
AC	Popular Science, "Light of the Future -- from Semiconductors," pp. 76-78, 118, December 1970

EXAMINER A. Carias	DATE CONSIDERED 2/9/2003
EXAMINER Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY DOCKET NO DON01 P-960	SERIAL NO 10-082,587
	APPLICANT(S) Brent J. Bos et al	
	FILING DATE February 25, 2002	GROUP 2875

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
AC	4 2 0 3 1 4 9	5/13/80	Viertel et al	362	144	
AC	4 2 2 7 2 4 1	10/7/80	Marcus	362	61	
AC	4 2 2 7 2 4 2	10/7/80	Marcus	362	61	
AC	4 2 7 4 0 7 8	6/16/81	Isobe et al	340	98	
AC	4 3 5 3 5 9 2	10/12/82	Cziptschirsch	296	97	
AC	4 4 4 3 8 3 1	4/17/84	Godfrey et al	362	80	
AC	4 4 7 5 1 0 0	10/2/84	Duh	340	98	
AC	4 4 7 9 1 7 2	10/23/84	Connor	362	135	
AC	4 5 1 1 9 5 4	4/16/85	Marcus et al	362	275	
AC	5 2 0 7 4 9 2	5/4/93	Roberts	362	30	

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
						Y N

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
AC	1989 SAE Ground Vehicle Lighting Manual, SAE J1889, issued June 1988, pp. 41-48, 47-51
AC	SAE Technical Papers Series, "Development of LED High Mounted Stop Lamp," No. 870061 (1987) pp. 11-21 F28 A87
AC	SAE Technical Paper Series, "Development of LED Rear Combination Lamp," No. 880275 (1988) pp. 1448-1455 F28 1988

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<p>FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE <small>(Rev. 2-32)</small> PATENT AND TRADEMARK OFFICE</p> <p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p style="text-align: center;"><small>(Use several sheets if necessary)</small></p>	<p>ATTY DOCKET NO DON01 P-960</p>	<p>SERIAL NO 10/082,587</p>
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AC		5 2 3 3 2 0 4	8/3/93	Fletcher et al.	247	13	
AC		5 3 7 1 6 5 9	12/6/94	Pastrick et al	362	83 1	

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		
AC		SAE Technical Paper Series, "Development of LED Rear Combination Lamp with Built-In Proximity Sensor," No. 890689 (1989) pp 55-65

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